

U.S. Application Serial Number 10/596,077

28174-0003US1

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1. (Currently Amendment) A process for recovering polyhydroxyalkanoates (PHAs) from a concentrated cellular biomass slurry of bacteria in an aqueous suspension obtained which comprises providing a cellular biomass in suspension in a fermented culture medium.

diluting the cellular biomass in water to form a fermented material to water ratio of up to about 1-3.0:1.

acidifying the diluted cellular biomass to between pH 1.5 to about 5.5.

adding an alkalizing agent to bring the pH of the biomass to between pH 7 and pH 12.0.

adding a flocculating agent to the alkalized solution, comprising the steps of, said biomass being obtained by fermentation and in the form of a cellular biomass slur in aqueous suspension and with a dry cellular content not inferior to about 18% by weight, characterized in that it comprises:

submitting a DHA solvent into the concentrated cellular biomass slurry to



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